

## CHAPTER 28

### TEMPEST PROTECTION SYSTEMS

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#### **28-1. Minimum maintenance activities for TEMPEST protection systems**

The information presented in this chapter indicates items that must be performed to maintain systems and equipment at a minimum level of operational readiness. Minimum action items should be supplemented by manufacturer-recommended maintenance activities and procedures for specific pieces of equipment.

#### **28-2. Preventive maintenance**

Preventive maintenance is a periodic checking and testing (surveillance) of equipment. Preventive maintenance defines the requirements, approaches, and procedures for maintaining TEMPEST elements, including the role of technical manuals, periodic inspections, repair activities, and repair verification. Testing defines the techniques and procedures for conducting a TEMPEST surveillance program, including grounds and bonds, shields, electrical filters, and other TEMPEST elements. Surveillance should include auditing past performance, testing current conditions, and analyzing test data. Preventive maintenance of TEMPEST protective systems is the same as those for HEMP protective systems. See chapter 27 for a detailed listing of typical maintenance activities.